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United States Department of Agriculture,  
BUREAU OF ANIMAL INDUSTRY,  
DAIRY DIVISION.

OFFICIALS, ASSOCIATIONS, AND EDUCATIONAL INSTITUTIONS CON-  
NECTED WITH THE DAIRY INTERESTS OF THE UNITED  
STATES FOR THE YEAR 1901.

WASHINGTON, D. C., *February 23, 1901.*

In order to meet numerous inquiries made of this Department, as well as to show the extent to which the dairy interests of the United States are organized, some of the officials employed in connection with this industry, and the facilities offered for technical instruction, the accompanying lists have been prepared.

HENRY E. ALVORD,  
*Chief of Dairy Division.*

Approved:

JAMES WILSON,  
*Secretary of Agriculture.*

CONTENTS.

	Page.
United States Department of Agriculture .....	1
State dairy officials .....	2
Dairy associations .....	3
Dairy schools .....	6
Associations of breeders of purebred dairy cattle .....	7

UNITED STATES DEPARTMENT OF AGRICULTURE, 1901.

Secretary. JAMES WILSON.  
Assistant Secretary, J. H. BRIGHAM.

Bureau of Animal Industry:

Chief, D. E. SALMON.  
Assistant Chief, A. D. MELVIN.

Dairy Division:

Chief, HENRY E. ALVORD.  
Assistant Chief, R. A. PEARSON.

## STATE DAIRY OFFICIALS, 1901.

The State laws under which the dairy commissioners' and dairy and food commissioners' offices are created, and those especially relating to dairy matters, were compiled and published by the Dairy Division in 1898 (Dairy, No. 21) and in 1900 (Dairy, No. 34). Many laws for the protection of dairy products, passed by State legislatures, are inoperative. In some cases courts have failed to sustain the statutes; in others the nonenforcement is due to neglect to provide the necessary special officers and funds. The cost of enforcing the laws referred to varies greatly in the different States. This information can not be exactly obtained, as it is the custom to make but one appropriation for dairy and other food work, and expenditures for the former are not kept separately. In some cases the amounts used in the interest of pure dairy products reach \$10,000 per year, and this amount is far exceeded in two or three States. The salary of the executive officer rarely exceeds \$2,000.

The following is a list of the commissioners and other principal officers:

- CALIFORNIA.** Agent and secretary of the State dairy bureau, William Vanderbilt, San Francisco. Assistant agent, William H. Saylor.
- COLORADO.** State dairy commissioner, T. L. Monson, Denver. Deputy commissioner, J. P. James.
- CONNECTICUT.** Dairy commissioner, J. B. Noble, Hartford. Deputy commissioner, R. O. Eaton.
- ILLINOIS.** State food commissioner, Alfred H. Jones, Room 1623, Manhattan Building, Chicago. Assistant commissioner, J. H. Monrad.
- INDIANA.** Secretary of the State board of health, J. N. Hurty, Indianapolis.
- IOWA.** Dairy commissioner, B. P. Norton, Des Moines. Deputy commissioner, H. R. Wright.
- MASSACHUSETTS.** General agent State dairy bureau, George M. Whitaker, Box 1332, Boston.
- MICHIGAN.** Dairy and food commissioner, W. B. Snow, Lansing. Deputy commissioner, George H. Bussey.
- MINNESOTA.** State dairy and food commissioner, W. W. P. McConnell, St. Paul. Assistant commissioner, G. L. Dingman.
- NEBRASKA.** Food commissioner, the governor of the State. Deputy commissioner, F. B. Hibbard, Lincoln.
- NEW JERSEY.** State dairy commissioner, George W. MacGuire, Trenton.
- NEW YORK.** Commissioner of the department of agriculture (including dairy), Charles A. Wieting, Albany. Assistant commissioners, G. L. Flanders, Albany; F. J. H. Kracke, No. 23 Park Row, New York City.
- NORTH DAKOTA.** Ex officio State dairy commissioner, the State commissioner of agriculture and labor. Assistant dairy and food commissioner, E. E. Kaufman, Fargo.
- OHIO.** Dairy and food commissioner, Joseph E. Blackburn, Columbus.
- OREGON.** Dairy and food commissioner, J. W. Bailey, Portland.
- PENNSYLVANIA.** Dairy and food commissioner of the department of agriculture, Jesse K. Cope, Harrisburg.
- UTAH.** Dairy and food commissioner, H. J. Faust, jr., Salt Lake City.
- WASHINGTON.** State dairy and food commissioner, E. A. McDonald, Seattle.
- WISCONSIN.** Dairy and food commissioner, H. C. Adams, Madison. Assistant commissioner, C. W. Sweeting.
- CANADA.** Commissioner of agriculture and dairying, James W. Robertson, Ottawa.

## DAIRY ASSOCIATIONS, 1901.

The chief work of dairy associations is educational, but they also take an interest in all matters pertaining to the industry, especially legislation and the enforcement of dairy laws.

Most of the organizations named below publish the proceedings of their annual meetings. These are sometimes included with the reports of the State departments of agriculture, but are usually issued separately. It is now difficult to obtain full sets of reports of the older associations, which embrace much dairy information of a valuable and practical character. The same is true of reports of the American Dairymen's Association (1886-1889) and the Northwestern Dairymen's Association (1867-1883), which were disbanded when their field of operation had become occupied by the younger associations in the several States.

A considerable part of the expenses of holding conventions and publishing reports is met by membership fees which are generally \$1 per year, and special subscriptions of private individuals, firms, and towns where meetings are held; also by receipts from advertisements inserted in the official programs. But in some States the expenses are largely defrayed by annual grants of the legislatures. From this source the Minnesota Dairymen's Association and Wisconsin Dairymen's Association receive \$2,000 each. The Illinois State Dairymen's Association receives \$1,500; the Connecticut Dairymen's Association, \$1,133; the associations in Vermont and Nebraska, \$1,000 each; the New Hampshire Association receives \$500; the Wisconsin Cheese Makers' Association receives \$400; the Michigan Dairymen's Association receives \$300 and the expense of printing the annual reports; the Minnesota State Butter and Cheese Makers' Association receives about \$250; and the Georgia Association, \$25. In Iowa the expense of printing and distributing the proceedings of the annual meetings of the State Dairy Association is borne by the State, and in New York a part of the expenses of the speakers at the annual meeting are paid by the State.

Prizes, consisting of money and articles useful in the dairy, are frequently offered by the supply trade and others for the best packages of butter and cheese exhibited at the meetings.

Following is a list of all dairy associations whose interests cover any considerable part of a State, or larger territory:

**National Association of State Dairy and Food Departments.** Organized 1897. Membership 30. President, Alfred H. Jones, 1623 Manhattan Building, Chicago, Ill. Secretary, J. B. Noble, Hartford, Conn. Annual meetings: Milwaukee, Wis., November 20 and 21, 1900; Buffalo, N. Y., September, 1901.

**National Creamery Buttermakers' Association.** Organized 1901. Membership 1,300. President, George E. Haskell, Lincoln, Nebr. Secretary, E. Sudendorf, Elgin, Ill. Annual meeting: St. Paul, Minn., February 18-22, 1901.

**National Dairy Union.** Organized 1894. President, W. D. Hoard, Fort Atkinson, Wis. Secretary, Charles Y. Knight, 188 S. Water street, Chicago, Ill. Annual meeting: St. Paul, Minn., February 21, 1901.

**New England Milk Producers' Union.** Organized 1886. Membership over 3,000. President, A. B. Ward, Westboro, Mass. Secretary, W. A. Hunter, Rutland, Mass. Annual meetings: Boston, Mass., January 16, 1901; Boston, Mass., January, 1902.

**Five States Milk Producers' Association.** Organized 1898. Membership 6,893. President, Frank B. Aiken, Trumansburg, N. Y. Secretary, H. T. Coon, Little York, N. Y. Annual meetings: Binghamton, N. Y., October 16, 1900; New York City, October 15, 1901.

**Columbia River Dairy Association.** Organized 1898. President, W. J. Spillman, Pullman, Wash. Secretary, D. C. Dilworth, Spokane, Wash. Annual meetings: Moscow, Idaho, March, 1900; (probably) Pullman, Wash., March, 1901.

**ALABAMA.** *Alabama Dairymen's Association.* Organized 1896. Membership 50. President, Isaac Ross, Opelika. Secretary, F. H. Bates, Hamburg. Annual meeting: Birmingham, November 8, 1899.

**CALIFORNIA.** *California Dairy Association.* Organized 1893.<sup>1</sup> President, W. Johnstone, Courtland. Secretary, Samuel E. Watson, 421 Market street, San Francisco. Annual meeting: Sacramento, September 11-13, 1900.

*Dairymen's Association of Southern California.* Organized 1894. Membership 110. President, C. H. Sessions, 1330 Carroll avenue, Los Angeles. Secretary, Horace G. Hamilton, 1069 Temple street, Los Angeles. Annual meetings: Los Angeles, July 14, 1900; Los Angeles, July, 1901.

*California Creamery Operators' Association.* Organized 1901. Membership 64. President, Henry F. Lyon, 1413 Park street, Alameda. Secretary, William H. Saylor, 114 California street, San Francisco. General meetings: San Francisco, January 2, 1901; (probably) San Francisco, September, 1901.

<sup>1</sup> Incorporated.

CONNECTICUT. *Connecticut Dairymen's Association*. Organized 1882.<sup>1</sup> Membership 175. President, H. F. Potter, Montowese, Conn. Secretary, George E. Manchester, Station A, Winsted. Annual meetings: Hartford, January 15 and 16, 1901; Hartford, third week in January, 1902.

*Connecticut Creamery Association*. Organized 1890. Membership 25. President, John Thompson, Melrose. Secretary, Frank Avery, Manchester. Annual meetings: January 9, 1901; Hartford, January 8, 1902.

GEORGIA. *Georgia Dairymen's Association*. Organized 1894. Membership 450. President, R. J. Redding, Experiment. Secretary, M. L. Duggan, Sparta. Annual meeting: Griffin, October 31 and November 1, 1900.

IDAHO. *Dairy and Pure Food Association*. Organized 1900. Membership 20. President, H. T. French, Moscow. Secretary, R. W. Sweet, Nampa. General meeting: Boise, January 24, 1901.

ILLINOIS. *Illinois State Dairymen's Association*. Organized 1874. Membership 277. President, Joseph Newman, Elgin. Secretary, George Caven, 188 South Water street, Chicago. Annual meeting: Aurora, January 8-10, 1900.

*Chicago Milk Shippers' Union*. Organized 1897.<sup>1</sup> Membership 3,800. President, Hiram Halcomb, Sycamore. Secretary, S. Hill, 94 La Salle street, Chicago. General meetings: Chicago, February 24, 1900; Chicago, February 25, 1901.

INDIANA. *Indiana State Dairy Association*. Organized 1891. Membership 100. President, C. S. Plumb, Lafayette. Secretary, H. E. Van Norman, Lafayette. Annual meetings: Hobart, December 5 and 6, 1900; (probably) Lafayette, December 18 and 19, 1901.

IOWA. *Iowa State Dairy Association*. Organized 1876.<sup>1</sup> Membership 260. President, C. R. Renner, Grand Junction. Secretary, J. C. Daly, Charles City. Annual meeting: Storm Lake, November 13-15, 1900.

KANSAS. *Kansas State Dairy Association*. Organized 1886. Membership 185. President, E. C. Lewellen, Newton. Secretary, T. A. Borman, White City. Annual meeting: Topeka, January 7-9, 1901.

MAINE. *Maine Dairymen's Association*. Organized 1898. Membership 70. President, Rutillus Alden, Winthrop. Secretary, L. W. Dyer, Cumberland Center. Annual meeting: Augusta, December 6 and 7, 1900.

MASSACHUSETTS. *Massachusetts Creamery Association*. Organized 1895. Membership 25. President, Charles M. Bull, North Adams. Secretary, A. W. Morse, Belchertown. Annual meeting: Easthampton, December 20, 1900.

MICHIGAN. *Michigan Dairymen's Association*. Organized 1885.<sup>1</sup> Membership 120. President, Fred. W. Warner, Farmington. Secretary, S. J. Wilson, Flint. Annual meetings: Agricultural College, February 5-7, 1901; Agricultural College, first week in February, 1902.

MINNESOTA. *Minnesota State Dairymen's Association*. Organized 1878.<sup>1</sup> Membership 159. President, Even Evenson, Strout. Secretary, Robert Crickmore, Pratt. Annual meetings: Fergus Falls, December 11-13, 1900; ——— December 10-12, 1901.

*Minnesota State Butter and Cheese Makers' Association*. Organized 1894.<sup>1</sup> Membership 205. President, H. T. Sondergaard, Litchfield. Secretary, J. K. Bennett, Clinton Falls. Annual meeting: Fairmont, November 22 and 23, 1900.

MISSISSIPPI. *Mississippi State Dairymen's Association*. Organized 1900. Membership 42. President, Dr. J. C. Roberts, sr., Starkville. Secretary, Edwin Montgomery, Starkville. Annual meetings: Agricultural College, June 18 and 19, 1900; Agricultural College, 1901.

MISSOURI. *Missouri Dairymen's Association*. Organized 1890. Membership 87. President, Norman J. Colman, St. Louis. Secretary, Levi Chubbuck, 1214 Chemical building, St. Louis. Annual meeting: Kansas City, December 20-22, 1900.

<sup>1</sup> Incorporated.

- NEBRASKA. *Nebraska Dairymen's Association*. Organized 1885. Membership 123. President, J. H. Rushton, Fairmont. Secretary, S. C. Bassett, Gibbon. Annual meeting: Lincoln, December 18-20, 1900.
- NEW HAMPSHIRE. *Granite State Dairymen's Association*. Organized 1884. Membership 22. President, G. H. Wadleigh, Tilton. Secretary, J. L. Gerrish, Contoocook. Annual meeting: Lancaster, December 6, 1900.
- NEW JERSEY. *New Jersey State Dairy Union*. Organized 1899. Membership 78. President, Charles Wright, Columbus. Secretary, George L. Gillingham, Moorestown. Annual meeting: Trenton, January 18, 1901.
- NEW YORK. *New York State Dairymen's Association*. Organized 1877.<sup>1</sup> Membership about 250. President, G. A. Smith, Geneva. Secretary, W. W. Hall, Gouverneur. Annual meeting: Watertown, December 11-13, 1900.
- NORTH CAROLINA. *North Carolina State Dairymen's Association*. Organized 1894.<sup>1</sup> President, George F. Weston, Biltmore. Secretary, ———. Annual meeting: Raleigh, Wednesday of State Fair Week.
- NORTH DAKOTA. *North Dakota State Dairymen's Association*. Organized 1891. President, F. B. Power, Power. Secretary, E. E. Kaufman, Fargo. Last annual meeting: ———
- OHIO. *Ohio State Dairymen's Association*. Organized 1894. Membership 150. President, L. P. Bailey. Secretary, Jas. S. Devol, Marietta. Annual meeting: Columbus, February 6-8, 1901.
- OREGON. *Oregon Dairymen's Association*. Organized 1892. Membership 57. President, R. Scott, Milwaukee. Secretary, F. L. Kent, Corvallis. Annual meeting: Hillsboro, January 3 and 4, 1901.
- PENNSYLVANIA. *Pennsylvania Dairy Union*. Organized 1898.<sup>1</sup> Membership 200. President, Jos. C. Sharpless, London Grove. Secretary, H. Hayward, State College. Annual meetings: Corry, December 12 and 13, 1900; York, December 4 and 5, 1901.
- Creamery Association of Eastern Pennsylvania and Vicinity*. Reorganized 1896. Membership 94. President, John I. Carter, Chatham. Secretary, George R. Meloney, 1937 Market street, Philadelphia. Annual meeting: Philadelphia, January 5, 1901.
- Pure Butter Protective Association*. Organized 1899. Membership 205. President, C. P. Faucett, West Chester. Secretary, A. W. Walter, 1011 Chestnut street, Philadelphia. Annual meetings: Philadelphia, May 5, 1900; Philadelphia, May 4, 1901.
- SOUTH DAKOTA. *South Dakota Dairy and Buttermakers' Association*. Organized 1890. Membership 100. President, Leland Griffin, Desmet. Secretary, C. P. Sherwood, Desmet. Annual meeting: Desmet, December 4-6, 1900.
- TEXAS. *Dairymen's Association*. Organized 1897. Membership 45. President, L. H. Horton, Rockdale. Secretary, S. T. Chapman, Red Oak. Annual meetings: College Station, July 2, 1900; ———, July 23-25, 1901.
- UTAH. *Utah Dairymen's Association*. Organized 1894. Membership 40. President, Lorenzo Hansen, Logan. Secretary, F. B. Linfield, Logan. Annual meetings: Salt Lake City, April 5 and 6, 1900; Salt Lake City, April 3-5, 1901.
- VERMONT. *Vermont Dairymen's Association*. Organized 1870. Membership about 500. President, M. A. Adams, Derby. Secretary, F. L. Davis, North Pomfret. Annual meeting: Burlington, January 8-10, 1901.
- WASHINGTON. *Washington State Dairymen's Association*. Organized 1894. President, H. L. Blanchard, Chima cum. Secretary, D. S. Troy, Chima cum. Annual meeting: Cheney, December 26 and 27, 1900.
- WISCONSIN. *Wisconsin Dairymen's Association*. Organized 1872. President, C. P. Goodrich, Fort Atkinson. Secretary, George W. Burchard, Fort Atkinson. Annual meeting: Mondovi, February 12-15, 1901.
- Wisconsin Cheese Makers' Association*. Organized 1893.<sup>1</sup> Membership 156. President, W. C. Dickson, Madison. Secretary, U. S. Baer, Madison. Annual meeting: Madison, January 23-25, 1901.

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<sup>1</sup> Incorporated.

## DAIRY SCHOOLS, 1901.

In the prominent dairy States, and in several others, the State agricultural colleges conduct dairy schools in which they offer short courses in the different branches of dairying. Instruction continues a few weeks, and is given by lectures, laboratory practice, and work in the dairy. It includes the principles of breeding and feeding dairy cattle, practical exercises in testing milk, and the manufacture and care of dairy products; in some cases, also, the pasteurization of milk and a brief study of dairy bacteriology. There are few entrance requirements.

All of the instruction given in the short courses is offered to students taking the full college courses in agriculture, and these have opportunity to pursue advanced work and to specialize along lines in which they are most interested.

As a rule all the work in the creamery and cheese factory short courses bears directly upon these industries, while in the farm dairy courses subjects less closely related to dairying are usually taken.

The kinds of short courses offered, the seasons at which given, and the addresses of persons from whom full particulars can be obtained are stated below. In some of the States not named the regular college courses in agriculture include instructions in dairying, and in these cases arrangements can usually be made to take lectures and laboratory work and, at times, practical work along dairy lines, by corresponding with the professors of agriculture at the State agricultural colleges. Unless otherwise stated, the institutions referred to are State agricultural colleges.

**ALABAMA.** Farm dairy, fall term. Prof. J. F. Duggar, Auburn.

Creamery and dairy farming, by special arrangement. Prof. T. J. Garth, Normal.

(Tuskegee Normal and Industrial Institute.) Creamery, cheese factory, by special arrangement. Prof. George W. Carver, Tuskegee.

**COLORADO.** Farm dairy, fall and spring. Prof. B. C. Buffum, Fort Collins.

**CONNECTICUT.** Creamery and farm dairy, winter. Prof. C. L. Beach, Storrs.

**FLORIDA.** (State Normal and Industrial College.) Butter making, fall, winter, and spring. Mrs. T. de S. Tucker, Tallahassee.

**GEORGIA.** Creamery and farm dairy, by special arrangement. Prof. H. J. Wing, Experiment.

**IDAHO.** Creamery and farm dairy, winter. Prof. H. T. French, Moscow.

**ILLINOIS.** Creamery and farm dairy, by special arrangement, February to June; cheese-making, by special arrangement, September to February. Prof. E. Davenport, Urbana.

**INDIANA.** Farm dairy, winter. Prof. C. S. Plumb, Lafayette.

**IOWA.** Creamery, by special arrangement, winter; cheese factory, fall; farm dairy, spring. Prof. C. F. Curtiss, Ames.

**KANSAS.** Creamery, cheese factory, and farm dairy, winter. Prof. H. M. Cottrell, Manhattan.

**KENTUCKY.** Farm dairy, winter. Prof. C. W. Mathews, Lexington.

**LOUISIANA.** (Southern University and Agricultural and Mechanical College.) Farm dairy, winter and spring. Prof. S. E. McClendon, New Orleans.

**MAINE.** Farm dairy, winter. Prof. G. M. Gowell, Orono.

**MARYLAND.** Creamery, by special arrangement; farm dairy, winter. Prof. H. J. Patterson, College Park.

**MASSACHUSETTS.** Creamery and farm dairy, winter. Prof. Wm. P. Brooks, Amherst.

**MICHIGAN.** Creamery, cheese factory, and farm dairy, winter. Prof. Clinton D. Smith, Agricultural College.

**MINNESOTA.** Creamery and cheese factory (including fancy cheese), winter; farm dairy, fall and winter. Prof. T. L. Haecker, St. Anthony Park.

**MISSISSIPPI.** Creamery and farm dairy, winter and spring. Prof. S. S. Morse, Agricultural College.

**MISSOURI.** Farm dairy, spring. Prof. H. J. Waters, Columbia.

**MONTANA.** Creamery and farm dairy, winter. Prof. R. S. Shaw, Bozeman.

**NEBRASKA.** Farm dairy, winter. Prof. T. L. Lyon, University of Nebraska, Lincoln.

**NEW HAMPSHIRE.** Creamery and farm dairy, winter. Prof. Charles W. Burkett, Durham.

**NEW MEXICO.** Farm dairy, by special arrangement. Prof. J. J. Vernon, Mesilla Park.

**NEW YORK.** Creamery and Cheese factory, winter; farm dairy, fall and winter. Prof. I. P. Roberts, Ithaca.

- NORTH CAROLINA. Farm dairy, winter. Prof. B. S. Johnson, West Raleigh.  
Farm dairy, winter. Prof. John Thompson, Greensboro.
- NORTH DAKOTA. Farm dairy, winter. Prof. E. E. Kaufman, Agricultural College.
- OHIO. Creamery, cheese factory and farm dairy, winter. Prof. John W. Decker, Columbus.
- OKLAHOMA. Farm dairy, winter. Prof. J. Fields, Stillwater.
- OREGON. Farm dairy, winter. Prof. F. L. Kent, Corvallis.
- PENNSYLVANIA. Creamery, winter. Prof. H. Hayward, State College.
- SOUTH CAROLINA. Farm dairy, winter. Prof. C. M. Conner, Clemson College.
- SOUTH DAKOTA. Creamery, winter; farm dairy, fall and winter. Prof. A. H. Wheaton, Brookings.
- TENNESSEE. Creamery, farm dairy, cheese factory, commercial milk dairying, winter. Prof. A. M. Soule, Knoxville.
- TEXAS. Creamery, cheese factory, and farm dairy, winter, by special arrangement. Prof. J. H. Connell, College Station.
- UTAH. Creamery, cheese factory and farm dairy, winter, and by special arrangement. Prof. F. B. Linfield, Logan.
- VERMONT. Creamery, winter. Prof. Joseph L. Hills, Burlington.
- VIRGINIA. Creamery, cheese factory, and farm dairy, by special arrangement. Prof. D. O. Nourse, Blacksburg.  
(Hampton Normal and Agricultural Institute.) Farm dairy, fall and winter, and by special arrangement. Prof. C. L. Goodrich, Hampton.
- WASHINGTON. Creamery and cheese factory, winter; farm dairy, fall. Prof. W. J. Spillman, Pullman.
- WISCONSIN. Creamery, cheese factory, and farm dairy, winter. Prof. E. H. Farrington, Madison.

## ASSOCIATIONS OF BREEDERS OF PUREBRED DAIRY CATTLE, 1901.

The interests of the different breeds of dairy cattle are in charge of organizations of breeders which determine purity of breeding, verify pedigrees, register eligible animals, and publish herd books. Some of them record and publish sales and transfers and attested records of dairy performances. They also establish standards of excellence. The details of the work are usually left to the secretary. The names of the various associations and the addresses of the secretaries are as follows:

- AYRSHIRE BREEDERS' ASSOCIATION.  
Secretary, C. M. Winslow, Brandon, Vt.
- BROWN SWISS BREEDERS' ASSOCIATION.  
Secretary, N. S. Fish, Groton, Conn.
- AMERICAN DEVON CATTLE CLUB.  
Secretary, L. P. Sisson, Newark, Ohio.
- DUTCH BELTED CATTLE ASSOCIATION OF AMERICA.  
Secretary H. B. Richards, Easton, Pa.
- AMERICAN GUERNSEY CATTLE CLUB.  
Secretary, Wm. H. Caldwell, Peterboro, N. H.
- HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA.  
Secretary, F. L. Houghton, Brattleboro, Vt.
- AMERICAN JERSEY CATTLE CLUB.  
Secretary, J. J. Hemmingway, 8 W. Seventeenth street, New York, N. Y.
- AMERICAN POLLED DURHAM BREEDERS' ASSOCIATION.  
Secretary, J. H. Miller, Peru, Ind.
- RED POLLED CATTLE CLUB OF AMERICA.  
Secretary, J. McLain Smith, Dayton, Ohio.
- AMERICAN SHORT HORN BREEDERS' ASSOCIATION.  
Secretary, J. H. Pickrell (deceased), Springfield, Ill.



## PUBLICATIONS OF THE DAIRY DIVISION.

The publications prepared under the supervision of the Dairy Division, Bureau of Animal Industry, are as follows:

### Dairy Division

- Number.
1. Statistics of the Dairy. (B. A. I. Bulletin No. 11.) *Exhausted.*
14. The Manufacture and Consumption of Cheese. (In Yearbook of United States Department of Agriculture for 1895. Reprinted separate.)
2. List of State Dairy Commissioners and Associations of Dairymen in the United States and Canada for 1896. (B. A. I. Circular No. 10.) *Exhausted.*
3. How to Select Good Cheese. (B. A. I. Circular No. 11.)
4. Facts About Milk. (Farmers' Bulletin No. 42.)
5. Dairying in California. (B. A. I. Bulletin No. 14.)
6. The Cheese Industry in the State of New York. (B. A. I. Bulletin No. 15.)
7. The Dairy Industry in Nebraska, South Dakota, and North Dakota. (B. A. I. Bulletin No. 17.) *Exhausted.*
8. Dairy Schools. (B. A. I. Bulletin No. 17.)
9. Correspondence Defining "Filled Cheese." (B. A. I. Circular No. 16.) *Exhausted.*
10. Creameries: Organization, Equipment, and Management. (In report of the Bureau of Animal Industry for 1895-96. Reprinted separate.)
11. The Dairy Industry in Missouri and Kansas. (B. A. I. Bulletin No. 18.)
12. Care of Dairy Utensils. (In Yearbook of United States Department of Agriculture for 1896.)
13. List of Dairy Officials and Associations of Dairymen in the United States and Canada for 1897. (B. A. I. Circular No. 18.)
14. The Dairy Herd: Its Formation and Management. (Farmers' Bulletin No. 55.)
15. Butter Making on the Farm. (Farmers' Bulletin No. 57.)
16. Factory Cheese and How it is Made. Reprint from No. 6, above. (B. A. I. Circular No. 19.)
17. Care of Milk on the Farm. (Farmers' Bulletin No. 63.)
- Fifty Dairy Rules contained in this bulletin are reprinted separate on stiff cards for posting in stables and dairy rooms.
18. Utilization of By-Products of the Dairy. (In Yearbook of United States Department of Agriculture for 1897. Reprinted separate.)
19. Milk Supply of Boston. (B. A. I. Bulletin No. 20.)
20. List of Dairy Officials and Associations of Dairymen in the United States and Canada for 1898. (B. A. I. Circular No. 22.)
21. National and State Dairy Laws. (In report of the Bureau of Animal Industry for 1897. Reprinted separate.)
22. Colored Spots in Cheese. (B. A. I. Circular No. 24.)
23. State Standards for Dairy Products, 1898. (B. A. I. Circular No. 25.)
24. Experimental Exports of Butter, 1897. (In report of the Bureau of Animal Industry for 1898. Reprinted separate.)
25. Breeds of Dairy Cattle. (In Report of the Bureau of Animal Industry for 1898. Reprinted, slightly abridged, as Farmers' Bulletin No. 106.)
26. Officials, Associations, and Educational Institutions Connected with the Dairy Interests of the United States for 1899. (B. A. I. Circular No. 26.)
27. Scales of Points in Use in the United States for Judging the Dairy Breeds of Cattle. (In Report of the Bureau of Animal Industry for 1898. Reprinted separate as B. A. I. Circular No. 27.)
28. Notes upon Dairying in California and the Export of California Butter to the Orient. (B. A. I. Bulletin No. 24.)
29. Dairy Development in the United States. (In Yearbook of the United States Department of Agriculture for 1899. Reprinted separate.)
30. Experimental Exports of Dairy Products, 1898 and 1899. (In Report of the Bureau of Animal Industry for 1899. Reprinted separate.)
31. Market Milk: A Plan for Its Improvement. *In preparation.*
32. Officials, Associations, and Educational Institutions Connected with the Dairy Interests of the United States for 1900. (B. A. I. Circular No. 29.) *Exhausted.*
33. Statistics of Oleomargarine, Oleo Oil, and Filled Cheese. (In Report of the Bureau of Animal Industry for 1899. Reprinted separate.)
34. National and State Dairy Laws. (B. A. I. Bulletin No. 26.)
35. Dairy Products at the Paris Exposition. (In Yearbook of the United States Department of Agriculture for 1900.)
36. Officials, Associations, and Educational Institutions Connected with the Dairy Interests of the United States for 1901. (B. A. I. Circular No. 33.)